International Application No PCT/JP 01/02296

a. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/68 C12Q C12N15/63A61K48/00 A01K67/027 C12Q1/70 CO7K14/47 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EMBL, EPO-Internal, CHEM ABS Data, BIOSIS, MEDLINE, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 1,5, RONNI ET AL.: "The proximal Χ 11-13,interferon-stimulated response elements are essential for interferon responsiveness: a promoter analysis of the antiviral MxA gene" JOURNAL OF INTERFERON AND CYTOKINE RESEARCH, vol. 18, no. 9, 1998, pages 773-781, XP002212566 figures 1,3,5 2,5, NCHANG ET AL.: "Molecular and functional χ 11-13analysis of the virus and 15-17 interferon-inducible human MxA promoter" ARCH VIROL vol. 117, 1991, pages 1-15, XP002212567 figures 2A,,4 -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed invention "E" earlier document but published on or after the international cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the cat. citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 02/10/2002 18 September 2002 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Bort, S 1

Form PCT/ISA/210 (second sheet) (July 1992)

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International Application No
PCT/JP 01/02296

Category °	ction) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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^	Homo sapiens (subclone H8 4_b9 from P135 H5 C8), 7 September 1994 (1994-09-07) MARTIN ET AL.: "Sequencing of the Mx1 region of the human chromosome 21" Database accession no. L35661 XP002212569 abstract	12,17
х	'DATABASE EMBL 'Online! Homo sapiens chromosome 21, P1 clone LBL#8, 4 September 1998 (1998-09-04) KIMMERLY ET AL.: "Sequencing of human chromosome 21" Database accession no. ACO05612 XP002212570 abstract	2,5,11, 12,17
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A	*KIKUCHI ET AL.: "The effect of HLA alleles on response to interferon therapy in patients with chronic hepatitis C" EUROPEAN JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, vol. 10, no. 101, October 1998 (1998-10), pages 859-863, XP002212568 abstract	6-10,14
А	WO 94 02606 A (US HEALTH) 3 February 1994 (1994-02-03) claim 28	6-10,14
А	WO 95 28492 A (LIGAND PHARM INC) 26 October 1995 (1995-10-26) page 14, line 1-20	6-10,14
A	'WO 90 14593 A (UNIV TEXAS) 29 November 1990 (1990-11-29) claim 24	6-10,14
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International Application No
PCT/JP 01/02296

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Helevani io Ciami No.
Г	HIJIKATA ET AL.: "Identification of a single nucleotide polymorphism in the MxA gene promoter (G/T at nt -88) correlated with the response of hepatitis C patients to interferon" INTERVIROLOGY, vol. 43, April 2000 (2000-04), pages 124-127, XP002212856 abstract	1-17
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Information on patent family members

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PCT/JP 01/02296

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9402606	Α	03-02-1994	AU WO	4778193 A 9402606 A1	14-02-1994 03-02-1994
WO 9528492	Α	26-10-1995	US AU CA EP JP WO AU CA EP JP	5707803 A 681025 B2 2287695 A 2182561 A1 0755453 A1 9511908 T 9528492 A1 2285995 A 9713798 A 2165057 A1 0722497 A1 9500026 T 9528482 A2	13-01-1998 14-08-1997 10-11-1995 26-10-1995 29-01-1997 02-12-1997 26-10-1995 10-11-1995 11-02-1999 26-10-1995 24-07-1996 07-01-1997 26-10-1995
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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	PCT			
To: SUZUYE & SUZUYE Attn. Suzuye, Takehiko 7-2 Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100-0013 JAPAN	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1)			
·	Date of mailing (day/month/year) 02/10/2002			
Applicant's or agent's file reference 00S1435P	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/JP 01/02296	International filing date (day/month/year) 22/03/2001			
Applicant KABUSHIKI KAISHA TOSHIBA				
The applicant is hereby notified that the International Search Report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41–22) 740.14.35				
For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
4. Further action(s): The applicant is reminded of the following:				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 <i>bis</i> .1 and 90 <i>bis</i> .3, respectively, before the completion of the technical preparations for international publication.				
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).				
Within 20 months from the priority date, the applicant must per before all designated Offices which have not been elected in priority date or could not be elected because they are not bou	the demand of in a later election within 15 months from the			
Name and mailing address of the International Searching Authority	Authorized officer			

European Patent Office, P.B. 5818 Patentlaan 2

NL-2280 HV Rijswijk

Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/JP 01/02296	22/03/2001	22/03/2000
Applicant		
according to Article 18. A copy is being	een prepared by this International Searching Aut transmitted to the International Bureau.	thority and is transmitted to the applicant
It is also accompanied	sts of a total of7 sheets. by a copy of each prior art document cited in this	s report.
Basis of the report a. With regard to the language, the language in which it was filed, to the language.	ne international search was carried out on the ba unless otherwise indicated under this item.	asis of the international application in the
Authority (Rule 23.1(b)		
was carried out on the basis of	and/or amino acid sequence disclosed in the the sequence listing: ational application in written form.	international application, the international search
	nternational application in computer readable fo	rm.
	y to this Authority in written form.	
	y to this Authority in computer readble form.	
the statement that the	subsequently furnished written sequence listing n as filed has been furnished.	does not go beyond the disclosure in the
the statement that the furnished	information recorded in computer readable form	is identical to the written sequence listing has been
	found unsearchable (See Box I).	
3. Unity of invention is	lacking (see Box II).	
4. With regard to the title,		
	s submitted by the applicant.	
the text has been esta	ablished by this Authority to read as follows:	
With regard to the abstract,		
the text is approved a	s submitted by the applicant.	
the text has been est	ablished, according to Rule 38.2(b), by this Author the date of mailing of this international search in	ority as it appears in Box III. The applicant may, report, submit comments to this Authority.
6. The figure of the drawings to be	published with the abstract is Figure No.	
as suggested by the	applicant.	X None of the figures.
because the applican	t failed to suggest a figure.	
	etter characterizes the invention.	

International application No. PCT/JP 01/02296

INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Cor	ntinuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims us	
1. X Claims Nos.: 14 because they relate to subject matter not required to be searched by this Authors See FURTHER INFORMATION sheet PCT/ISA/210	ority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply an extent that no meaningful International Search can be carried out, specifical	with the prescribed requirements to such lly:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the	e second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation o	f item 2 of first sheet)
This International Searching Authority found multiple inventions in this international app	
As all required additional search fees were timely paid by the applicant, this Ir searchable claims.	nternational Search Report covers all
2. As all searchable claims could be searched without effort justifying an addition of any additional fee.	nal fee, this Authority did not invite payment
3. As only some of the required additional search fees were timely paid by the a covers only those claims for which fees were paid, specifically claims Nos.:	pplicant, this International Search Report
No required additional search fees were timely paid by the applicant. Consequence restricted to the invention first mentioned in the claims; it is covered by claims.	quently, this International Search Report is s Nos.:
Memark on Frederic	es were accompanied by the applicant's protest. d the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claim 14 is directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the polynucleotide(s).

Continuation of Box I.1

Claims Nos.: 14

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy